

CLAIMS

1. An antenna comprising:

a ground plate which is planar;

5 a first power feed element which is disposed separately from the ground plate by a prescribed distance and which is formed in a prescribed shape;

a first parasitic element which is planar and which is formed in a prescribed shape;

10 a first shortcircuit part which electrically connects the first parasitic element and the ground plate; and

a power feed part which is electrically connected with the first power feed element, wherein

15 the first power feed element and the first parasitic element are disposed in parallel in part with each other, and

the first power feed element and the first parasitic element have multiple resonances by electro magnetic coupling.
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2. The antenna according to claim 1, wherein

the first power feed element and the first parasitic element are disposed to face the ground plate with a prescribed distance therebetween, and the first power
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feed element is surrounded by the first parasitic element.

3. The antenna according to claim 1, wherein

5 the first parasitic element and the first power feed element face with each other with a prescribed distance therebetween.

4. The antenna according to claim 1 further comprising:

10 a second power feed element which is branched from the first power feed element, and

 a second parasitic element which is branched from the first parasitic element.

15 5. The antenna according to claim 1, wherein

 the first power feed element and the first parasitic element are in a spiral shape and wound in a same direction as each other.

20 6. The antenna according to claim 1, wherein

 the first power feed element and the first parasitic element are in a helical shape and wound in a same direction as each other.

25 7. The antenna according to claim 1, wherein

the first power feed element and the first parasitic element are in a meander shape and wound in a same direction as each other.

- 5 8. The antenna according to claim 1 further comprising:
 a second power feed element which is branched from
the first power feed element;
 a second parasitic element which is disposed to face
the second power feed element; and
10 a second shortcircuit part which connects the
second parasitic element to the ground plate.

9. An electronic device connected with the antenna according to any one of claims 1 to 8.